

YSK4 recombinant protein

YSK4 (MAP3K19), Active

CATALOG # AAA74123	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

YSK4; YSK4 (MAP3K19); Active; RCK; MAP3K19; YSK4 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for YSK4 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for YSK4 recombinant protein	Recombinant human YSK4 (MAP3K19)(941-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The protein accession number is NM_025052. YSK4 (MAP3K19, RCK) belongs to STE Ser/Thr protein kinase family and STE20 subfamily. The YSK4 gene is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, and rat (1). The important paralog is MAP3K1 gene. The RCK ligand-binding domains form an octameric gating ring (2) in the large-conductance Ca ²⁺ -activated K ⁺ channels (3). The YSK4 kinase function has not been made clearly yet.
Product Categories/Family for YSK4 recombinant protein	Protein Kinases ; Cancer ; ERK/MAPK Pathway ; Neurobiology ; Ser/Thr Kinases
References	- Hillier LW, et al: Generation and annotation of the DNA sequences of human chromosomes 2 and 4. Nature, 2005 Apr 7. - Ye S. et al: Crystal Structures of a Ligand-free MthK Gating Ring: Insights into the Ligand Gating Mechanism of K(+) Channels. Cell (2006). - Santarelli, L.C. et al: Three methionine residues located within the regulator of conductance for K⁺ (RCK) domains confer oxidative sensitivity to large-conductance Ca²⁺-activated K⁺ channels. Physiol. (Lond.)(2006).

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_025052
Molecular Weight	~83kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ysk4-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74123>